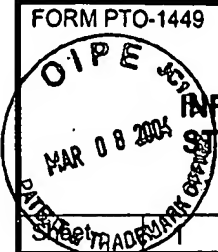


FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Compl t If Known	
 INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number		10/651,137	
		Filing Dat		August 28, 2003	
		First Named Invent r		Kopf, et al.	
		Group Art Unit		Unknown	
		Examiner Name		Unknown	
		Attorney Docket Number		41118US	
		of		1	

U. S. PATENT DOCUMENTS							
Examiner Initials		Document Number	Date	Name	Class	Sub-Class	Filing Date
hmb	AA	5,944,867	8/31/99	Chesnoy, et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						
	AR						

FOREIGN PATENT DOCUMENTS							
Examiner Initials		Document Number	Date	Country	Class	Sub-Class	TRNS Y/N
hmb	AS	1 096 283 A2	10/14/2000	EPO			
hmb	AT	1 130 436 A1	03/02/2001	EPO			
hmb	AU	35 44 137 A1	12/16/1985	DE			
hmb	AV	29 39 231 A1	04/02/1981	DE			
	AW						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
AX	Lacy, et al., "Fiber Optics" Prentice Hall, USA XP-002260397 page 71	
AY		
AZ		

Examiner Signature	<i>Hae Moon Hyun</i>	Date Considered	6-29-04
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Completeness if Known

Application Number	UNKNOWN
Filing Date	August 28, 2003
First Named Inventor	Kopf et al.
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	21334-1245

Sheet

1

of

1

U. S. PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Name	Class	Sub-Class	Filing Date
h m h	AA	4,982,083	1/1/91	Graham et al.	250	227.11	1/3/90
h m h	AB	5,076,688	12/31/91	Bowen et al.	356	73.1	5/30/91
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						
	AR						

FOREIGN PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Country	Class	Sub-Class	TRNS Y/N
h m h	AS	19951257A1	4/26/01	Germany	G02B	6/28	N
h m h	AT	4428855A1	2/15/96	Germany	G02B	6/36	N
h m h	AU	3544137A1	6/19/87	Germany	H04B	17/00	N
	AV						
	AW						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AX	
	AY	
	AZ	

Examiner
Signature

Hae Moon Hyeon

Date
Considered

6-29-04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.